Inventors: Leonard SCHLESSINGER et al.

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Select a Sample Data Set from Each Subject in a Subject Group

Select a Set of Expansion Functions to be Used in the Representation

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Mathematically Expand Each Member of the Sample Data Set in the Form of a Summation of Results of Multiplying Each Expansion Function in the Set of Expansion Functions by a Different Mathematical Parameter

of the Sample Data Set

Determine a Value for Each of the Different Mathematical Parameters from the Mathematical Expansion and the Sample Data Set

Derive a Corresponding Distribution
Function for Each of the
Mathematical Parameters

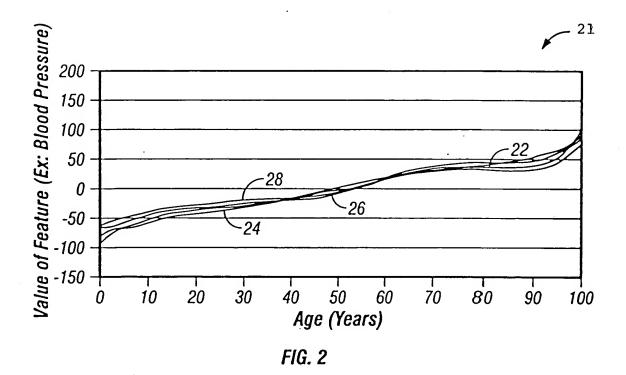
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Generate a Continuous Mathematical
Model of the Feature from the Derived
Distribution Functions and the
Expansion Functions

FIG. 1

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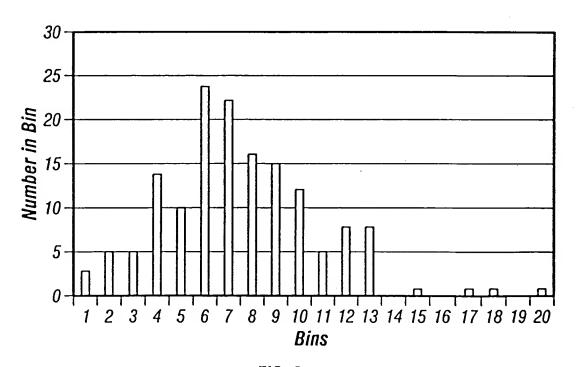


FIG. 3

Title: GENERATION OF CONTINUOUS MATHEMATICAL MODEL FOR COMMON FEATURES OF A SUBJECT GROUP Inventors: Leonard SCHLESSINGER et al. Application No.: 10/025,964 Docket No.: 071882000200

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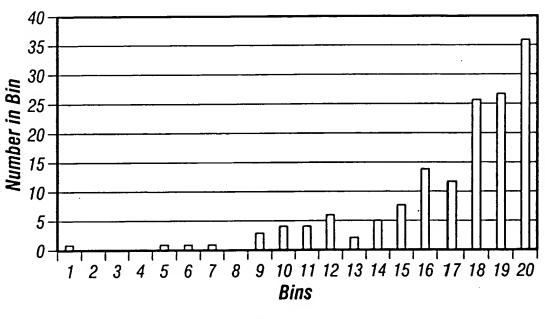


FIG. 4

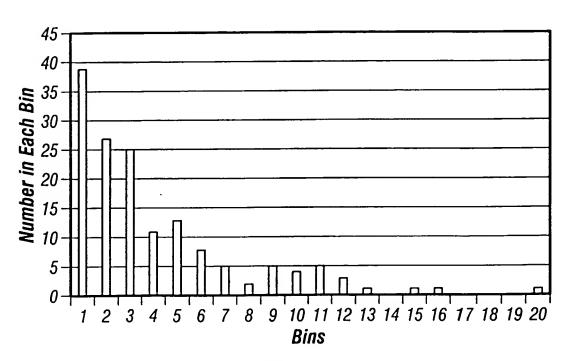


FIG. 5

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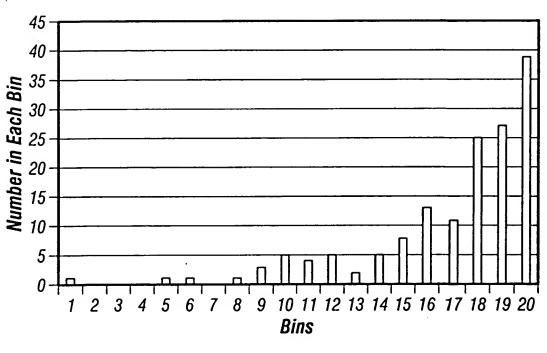
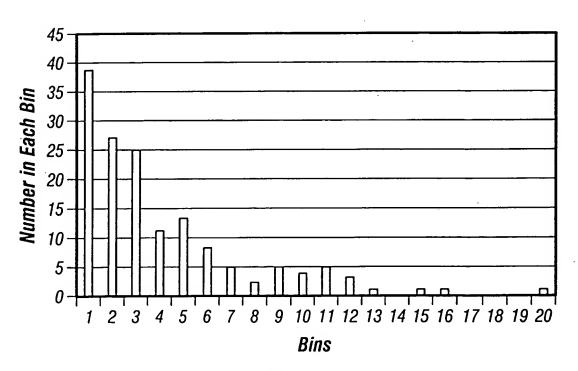


FIG. 6



*FIG.* 7

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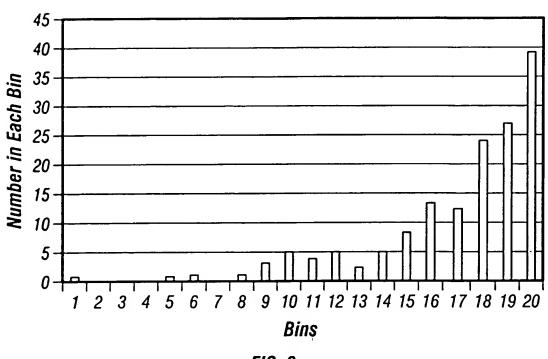


FIG. 8

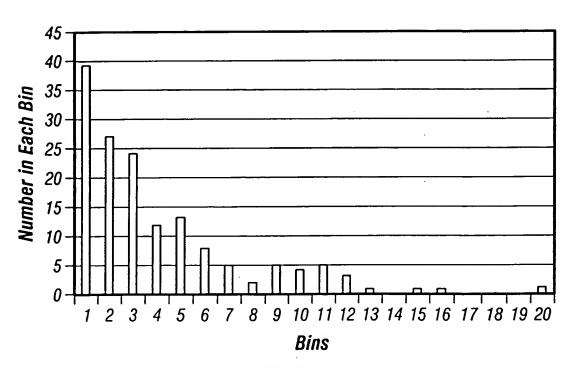
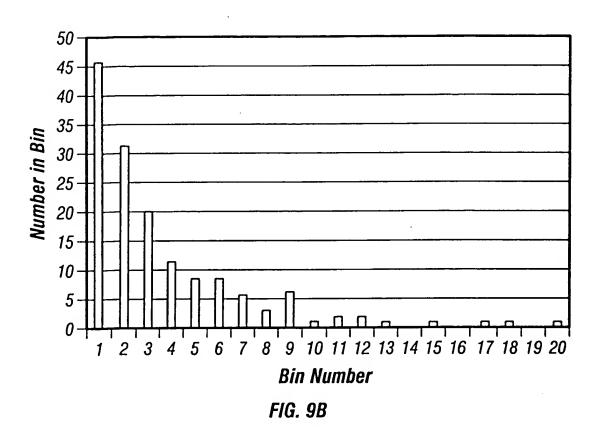
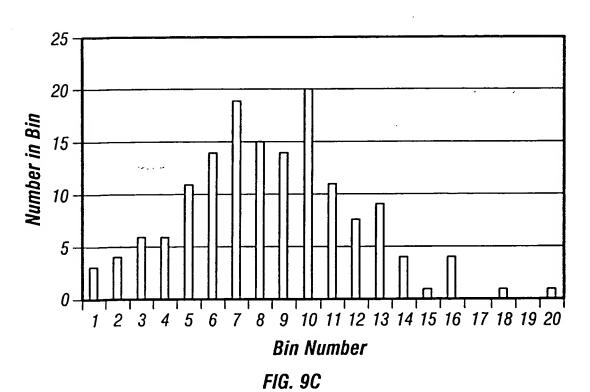


FIG. 9A

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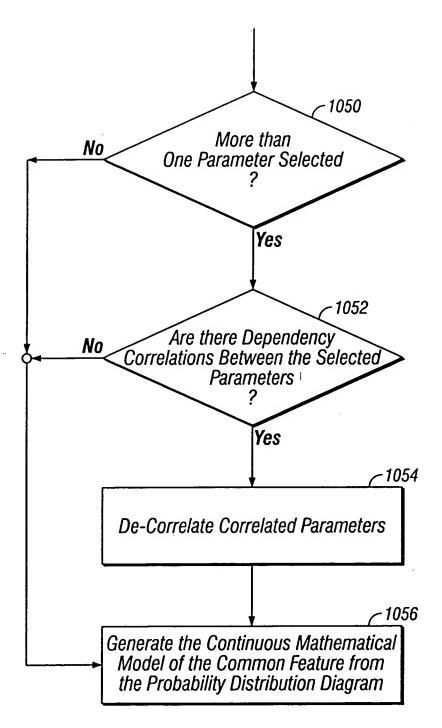


FIG. 10

Title: GENERATION OF CONTINUOUS MATHEMATICAL MODEL FOR COMMON FEATURES OF A SUBJECT GROUP Inventors: Leonard SCHLESSINGER et al.

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